

What is claimed is:

1. A storage device to receive demands for writing and reading data from host devices to control writing and reading of data from storage media, the storage device comprising:

a service processor for setting of configuration information of the storage device, and

a terminal device connected to the service processor via a private line to send a command group, which is received from an operator and related to the configuration information of the storage device, to the service processor, wherein the service processor determines approval or denial of execution of the command group prior to execution of the command group received from the terminal device.

2. The storage device according to claim 1, wherein the terminal device sends encryption command information, which is given by encrypting the command group with a secret key, together with the command group when the command group is sent, and the service processor decrypts the received encryption command information to determine whether a command group obtained by the decryption corresponds to the received command group, and executes the command group in the case of correspondency.

3. The storage device according to claim 2, wherein the command group is subjected to a digest processing to be encrypted to provide the encryption command information, and

the service processor determines whether information subjected to the digest processing with the use of the command group received from the terminal device corresponds to information, which is obtained by decryption of the received encryption command information and subjected to the digest processing, and executes the command group in the case of correspondency.

4. A method of setting a configuration information of a storage device to receive demands for writing and reading of data from host devices to control writing and reading of data from storage media, the storage device including a service processor for setting of configuration information of the storage device, and a terminal device connected to

the service processor via a private line to send a command group received from an operator and related to the configuration information, the method comprising

- sending the command group via the terminal device,
- receiving the command group at the service processor and determining approval or denial of execution of the command group, and
- executing the command group to set a structure of the storage device in the case where approval of execution is determined.

5. The method according to claim 4, further comprising using a secret key to encrypt the command group sent prior to sending thereof to the service processor to generate encryption command information, and

- wherein the encryption command information together with the command group is sent to the service processor;

- decrypting the received encryption command information to generate the command group to enable a comparison as to whether the received command group and the command group obtained by the decryption correspond to each other, thus determining approval or denial of execution of the received command group, and

- executing the command group to set a structure of the storage device in the case where the command group obtained by the decryption and the received command group correspond to each other.

6. A method of setting configuration information of a storage device comprising a service processor for setting of configuration information of the storage device, and a terminal device connected to the service processor to give and take information from the service processor, the method comprising

- a first step, in which a storage management terminal determines validity of a command group described on a script sheet,

- a second step of creating a digest of the command group when validity is determined in the first step,

- a third step of using a secret key to encrypt the digest created in the second step,

- a fourth step, in which the terminal device sends to the service processor a digest data encrypted in the third step and the command group described on the script sheet,

a fifth step of creating a digest from the command group received by the service processor,

a sixth step of decrypting the encrypted digest data received by the service processor to compare the same with a digest data created in the fifth step, and

a seventh step of executing the command group described on the received script sheet to set a structure of the storage device in the case where results of comparison in the sixth step indicates correspondency.